



DB15 Thumbscrew Cable

Error-free transmission for Texas Instruments® and NCR® POS computers.

- EMI/RFI hoods with thumbscrews.
- Shielded cable with drain wire.
- **FIDO PROTECTION®** — Lifetime



Item	Female/Female	Male/Female	Male/Male	List Price
DB15 Thumbscrew Cable				
2-ft. (0.6-m)	EGM16E-0002-FF	EGM16E-0002-MF	EGM16E-0002-MM	\$22.95
5-ft. (1.5-m)	EGM16E-0005-FF	EGM16E-0005-MF	EGM16E-0005-MM	\$23.95
10-ft. (3.0-m)	EGM16E-0010-FF	EGM16E-0010-MF	EGM16E-0010-MM	\$26.95
15-ft. (4.5-m)	EGM16E-0015-FF	EGM16E-0015-MF	EGM16E-0015-MM	\$30.95
20-ft. (6.0-m)	EGM16E-0020-FF	EGM16E-0020-MF	EGM16E-0020-MM	\$33.95
25-ft. (7.6-m)	EGM16E-0025-FF	EGM16E-0025-MF	EGM16E-0025-MM	\$37.95
35-ft. (10.6-m)	EGM16E-0035-FF	EGM16E-0035-MF	EGM16E-0035-MM	\$43.95
50-ft. (15.2-m)	EGM16E-0050-FF	EGM16E-0050-MF	EGM16E-0050-MM	\$53.95
Custom Lengths	EGN16E-FF	EGN16E-MF	EGN16E-MM	\$23.95 + \$.93/ft.

T1 Cable

The right cable for high-speed T1 connections.

Straight-Pinning, ETNMSR01

RJ-48C	RJ-48C
1	1 Orange/White
2	2 White/Orange
3	3 NC
4	4 Blue/White
5	5 White/Blue
6	6 NC
7	7 NC
8	8 NC

Cross-Pinning, ETNMR01

RJ-48C	RJ-48C
1	4 Orange/White
2	5 White/Orange
3	NC
4	1 Blue/White
5	2 White/Blue
6	NC
7	7 NC
8	8 NC

NOTE: For custom lengths and plenum jackets, call Tech Support.



TECH SPECS

- Connects your T1 CSU/DSU.
- PVC construction.
- Suitable for 56K, T1, Frame Relay, and ISDN line connections.
- You're sure find the cable to match any device. Choose from RJ-48C, DB15 connectors, or a combination of both.
- **FIDO PROTECTION®** — Lifetime

Cable Construction — 24 AWG solid copper, 3 pairs
Diameter — 0.209"
Ground — 24 AWG solid tinned copper ground wire
Impedance — 100 ohms
Jacket — Gray, PVC
Mutual Capacitance — 24 pF/ft.
Shielding — Individually shielded pairs
Connectors — ETNMSR01, ETNMR01: (2) RJ-48C; ETNMSR02, ETNMR02: (2) DB15 M; ETNMSR03, ETNMR03: (1) DB15 M, (1) RJ-48C; ETNMSR04, ETNMR04: (1) DB15 M, (1) DB15 F

Item		Straight-Pinned	Cross-Pinned	List Price
T1 Cable				
RJ-48C/RJ-48C	5-ft. (1.5-m)	ETNMSR01-0005	ETNMR01-0005	\$16.95
	10-ft. (3.0-m)	ETNMSR01-0010	ETNMR01-0010	\$20.95
	25-ft. (7.6-m)	ETNMSR01-0025	ETNMR01-0025	\$31.95
DB15 Male/DB15 Male	5-ft. (1.5-m)	ETNMSR02-0005	ETNMR02-0005	\$20.95
	10-ft. (3.0-m)	ETNMSR02-0010	ETNMR02-0010	\$23.95
	25-ft. (7.6-m)	ETNMSR02-0025	ETNMR02-0025	\$31.95
DB15 Male/RJ-48C	5-ft. (1.5-m)	ETNMSR03-0005	ETNMR03-0005	\$19.95
	10-ft. (3.0-m)	ETNMSR03-0010	ETNMR03-0010	\$22.95
	25-ft. (7.6-m)	ETNMSR03-0025	ETNMR03-0025	\$30.95
DB15 Male/DB15 Female	5-ft. (1.5-m)	ETNMSR04-0005	ETNMR04-0005	\$20.95
	10-ft. (3.0-m)	ETNMSR04-0010	ETNMR04-0010	\$23.95
	25-ft. (7.6-m)	ETNMSR04-0025	ETNMR04-0025	\$31.95

Black Box Explains

RJ-48.



An RJ-48 plug is often mistaken for RJ-45. On the outside, the two look identical—both are housed in miniature 8-position jacks. The difference is in the wire pairing.

In RJ-48, two of the wires are for transmit, two are for receive, and two are for the drain. The last two wires are reserved for future use.

There are three subsets within RJ-48: RJ-48C, RJ-48X, and RJ-48S. RJ-48C and RJ-48X are very similar, though RJ-48C is more common. Both use lines 1, 2, 4, and 5, and connect T1 lines. RJ-48X connectors, however, have shorting bars. RJ-48S uses lines 1, 2, 7, and 8, and generally connects 56K DDS lines.

Here's how RJ-48C pinning compares to RJ-48S pinning:

Pin	RJ-48C	RJ-48S
1	Receive ring	Receive data +
2	Receive tip	Receive data -
3	No connection	No connection
4	Transmit ring	No connection
5	Transmit tip	No connection
6	No connection	No connection
7	No connection	Transmit data +
8	No connection	Transmit data -